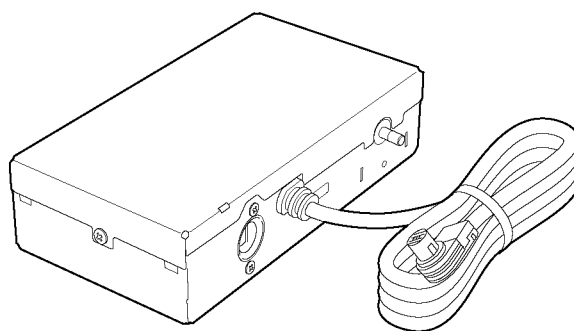


JVC

SERVICE MANUAL

DAB Tuner Unit

KT-DB1000



DAB

Digital Audio Broadcasting

Area Suffix

E ----- Continental Europe

TABLE OF CONTENTS

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SECTION 1

Safety precaution

⚠CAUTION

Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of performing repair of this system.

SECTION 2

Disassembly method

2.1 Main body

2.1.1 How to remove a top cover (See Figure 1 and 2.)

- (1) Screw A attaches a top cover to the main body. Remove the two screws A from the both sides of the main body.
- (2) Raise the top cover in a direction that the arrow indicates. And the top cover will be removed.

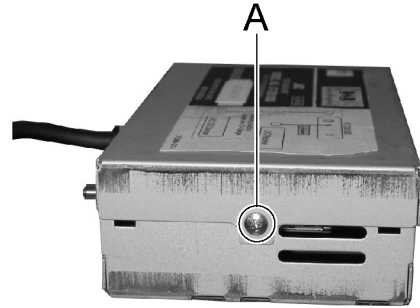


Fig.1

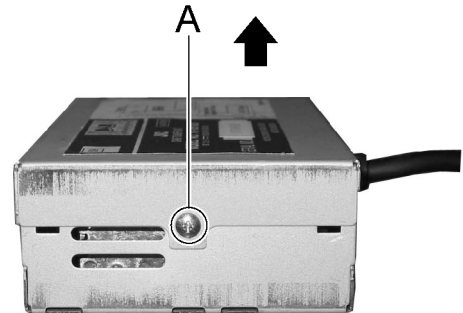


Fig.2

2.1.2 How to remove a main board (See Figure 3.)

- (1) Remove the four screws B and the two screws C that attach the main board to the main body.
- (2) Raise the main board in a direction that the arrow indicates. And the main board will be removed.

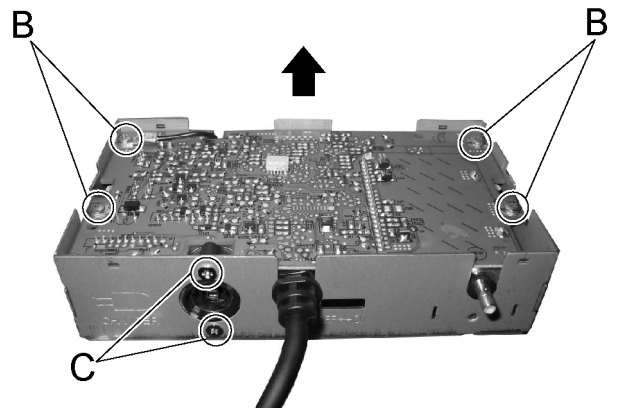


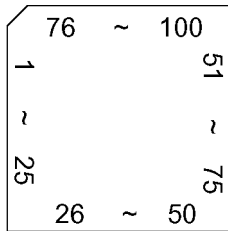
Fig.3

SECTION 3

Description of major ICs

3.1 MN102H60KCB (IC701) : Controller

- Pin layout



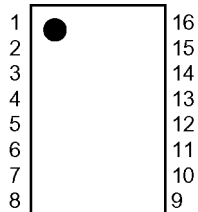
- Pin functions

No.	Symbol	I/O	Function
1	-	-	Not use
2	LCDRS	O	Resistor select output terminal for LCD module
3	LCDR/W	O	Read/Write select output terminal for LCD module
4	LCDE	O	Data read/write start up output for LCD module
5~12	LCDDBO~7	O	Data bus output 0 terminal for LCD module
13	JBUSCK	I/O	JBUS clock input/output terminal
14	JBUSDAI	I	JBUS data input terminal
15	JBUSDAO	O	JBUS data output terminal
16	JBUSI/O	O	JBUS input/output select output terminal
17	VDD	-	Powersupply terminal
18	SYSCKO	O	System clock(19.6608MHz) output terminal
19	GND	-	Connect to GND
20	XI	I	Connect to GND
21	NC	O	Open
22	VDD	-	Power supply trterminal
23	OSCI	I	X'tal connect terminal(19.6608MHz)
24	OSCO	O	X'tal connect terminal(19.6608MHz)
25	MODE	I	Mode setting input terminalpull up(single chip mode)
26	EEPRMDI	I	EEPROM(for preset data save)data input terminal
27	EEPRMDO	O	EEPROM(for preset data save)data output terminal
28	EEPRMCK	O	EEPROM(for preset data save)clock output terminal
29	EEPRMCS	O	EEPROM(for preset data save)chip select terminal
30~32	-	-	Not use
33	CKSEL	O	SYSCK output enable select terminal, "H" output enable
34	AVDD	-	Analogue power supply terminal
35	DAISEL	O	DAI output enable select terminal, "H" output enable
36	RDISEL	O	RDI output enable select terminal, "H" output enable
37	CIRSEL	I	CIR monitor output enable select terminal, "H" output enable
38	AGCSEL	I	AGC internal/external select terminal, "H" external(AGC outpput enable)
39	OPMODE0	I	Operation mode setting terminal 0
40	OPMODE1	I	Operation mode setting terminal 1
41	DUMMY	I	Dummy mode select terminal, "H" dummy mode
42	-	-	Not use
43	VREF-	-	Analogue reference power supply terminal, connect to GND
44	KEY0	I	Test key analogue voltage onput 0
45	KEY1	I	Test key analogue voltage input 1
46	KEY2	I	Test key analogue voltage input 2
47	KEY3	I	Test key analogue voltaeg input 3
48	TUSDA	O	Tuner PLL data output terminal
49	TUSCL	O	Tuner PLL clock output terminal
50	MPUCK	O	DAB MPU interface clock output terminal
51	MPUDAI	I	DAB MPU interface data input terminal
52	MPUDAO	O	DAB MPU interface data outut terminal
53	DABRST	O	DAB LSI/TUNER reset output terminal, "L" reset
54	VREF+	-	Analogue reference poser supply terminal, connect to AVDD
55	DABDARX	I	FIC packet data stream output data input terminal

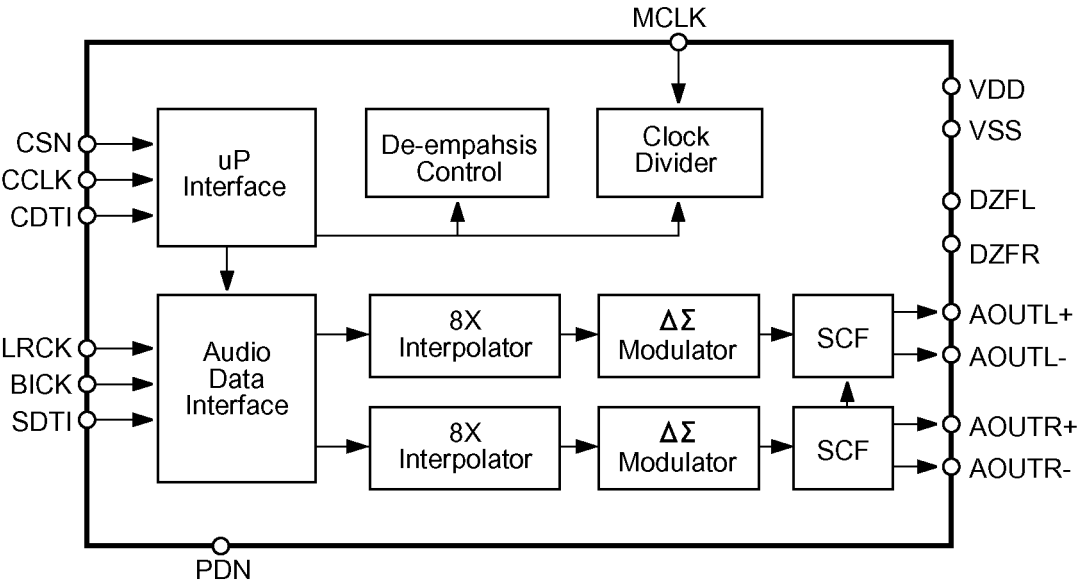
No.	Symbol	I/O	Function
56	DABDATX	O	FIC packet data stream outout data output terminal
57	MPUEN	O	DAB MPU interface chip enable output terminal
58	MPUMOD	O	DAB MPU interface mode signal outpout terminal
59	DZFINL	I	DZFL input terminal from DAC, "H" outout AMUTEL
60	DZFINR	I	DZFL input terminal from DAC, "H" outout AMUTER
61	AGND	-	Analogue GND terminal
62	AUDSEL	O	Audio signal select output terminal, "L" DAB "H" CD changer
63	AMUTEL	O	L-CH mute output terminal, "H" L-CH mute
64	AMUTER	O	R-CH mute output terminal, "H" R-CH mute
65	ANT+BIN	I	Antenna power supply voltage monitoer input terminal
66	VDD	-	Power supply
67	-	-	Not use
68	DACRST	O	DAC rest resr output terminal, "L" reset
69	-	-	Not use
70	SDCK	I	DAB serial data clock input terminal
71	SDDA	I	DAB serial data input terminal
72	SDWD	I	DAB sericl data window input terminal
73	SIFDA	I/O	On board serial write data input/output terminal pullup
74	SIFCK	I	On board serial write clock input terminal pullup
75	-	-	Not use
76	WFIC	I	Interrupt inout from DAB LSI, "L" triger detect
77	NIRQ	I	DDOWFIC input terminal from DABSEL
78	JBUSINT	I	JBUS interrupt input
79	PSAVE1	I	PSAVE1(power off)input interrupt triger detect at "L" level
80	PSAVE2	O	PSAVE2(STOP mode) input
81	POWOUT	O	Power on output terminal, "H" power on
82	RESET	I	Reset input terminal, "L" reset
83	VDD	-	POwer supply terminal
84	INDOUT0	O	Indicator output 0 for test
85	INDOUT1	O	Indicator output 1 for test
86	INDOUT2	O	Indicator output 2 for test
87	INDOUT3	O	Indicator output 3 for test
88	INDOUT4	O	Indicator output 4 for test
89	INDOUT5	O	Indicator output 5 for test
90	INDOUT6	O	Indicator output 6 for test
91	INDOUT7	O	Indicator output 7 for test
92	GND	-	GND terminal
93	DACCDTO	O	DAC chip select output
94	DACCCLK	O	DAC control clock output
95	DACCSN	O	DAC control data output
96~100	-	-	Not use

3.2 AK4382AVT-X (IC501) : D/A converter

- Pin layout



- Block diagram

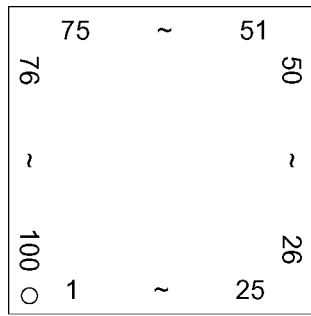


- Pin function

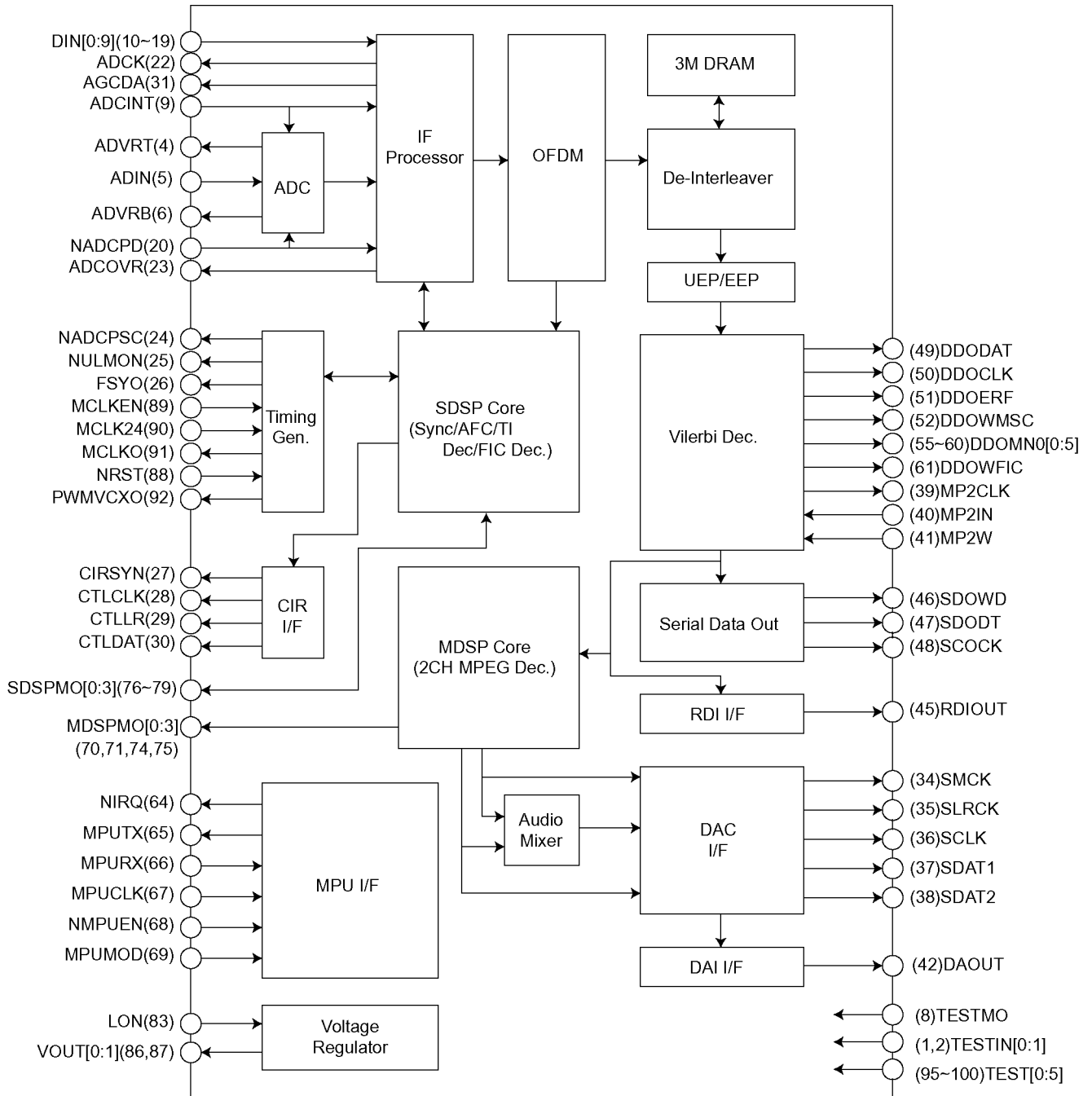
Pin No.	Symbol	I/O	Function
1	MCLK	I	Master Clock Input Pin
2	BICK	I	Audio Serial Data Clock Pin
3	SDTI	I	Audio Serial Data Input Pin
4	LRCK	I	L/R Clock Pin
5	PDN	I	Power-Down Mode Pin
6	CSN	I	Chip Select Pin
7	CCLK	I	Control Data Input Pin
8	CDTI	I	Control Data Input Pin
9	AOUTR-	O	Rch Negative Analog Output Pin
10	AOUTR+	O	Rch Positive Analog Output Pin
11	AOUTL-	O	Lch Negative Analog Output Pin
12	AOUTL+	O	Lch Positive Analog Output Pin
13	VSS	-	Ground Pin
14	VDD	-	Power Supply Pin
15	DZFR	O	Rch Data Zero Input Detect Pin
16	DZFL	O	Lch Data Zero Input Detect Pin

3.3 MN66720UC (IC1) : DAB baseband signal processor

- Pin layout



- Block diagram



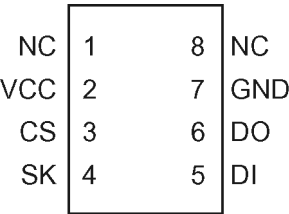
• Pin functions

Pin No.	Symbol	I/O	Function
1,2	TESTIN0,TESTIN1	I	Input terminal for test.
3	AVDD	-	Analogue VDD terminal.
4	ADVRT	-	Reference voltage terminal for AD converter top side.
5	ADIN	-	Analogue IF signal input terminal.
6	ADVRB	-	Reference voltage terminal for AD converter bottom side.
7	AVSS	-	Analogue VSS.
8	TESTMD	-	Test mode setting terminal.
9	ADCINT	I	AD converter internal/external select terminal.
10~19	DIN0~DIN9	I	External AD converter data input terminal.
20	NADCPD	I	Internal AD converter power down control input terminal.
21	VSS0	-	Digital VSS.
22	ADCK	O	AD converter clock signal output terminal.(8.192MHz)
23	ADCOVER	O	AD converter overflow detection output terminal.
24	NADCPSC	O	AD converter power save control signal output terminal.
25	NULMON	O	NULL signal detection output terminal.
26	FSYO	O	Flame synchronization monitor signal output terminal.
27	CIRSYN	O	CIR monitor synchronization signal output terminal.
28	CTLCLK	O	CIR DA converter bit clock output terminal.(1.536MHz)
29	CTLLR	O	CIR DA converter LR clock output terminal.
30	CTLDAT	O	CIR DA converter data output terminal.
31	AGCDAT	O	External AGC control signal output terminal.(ADC output level)
32	LVDD0	-	Internal digital VDD terminal.
33	VSS1	-	Digital VSS terminal.
34	SMCK	O	Audio DA converter master clock output terminal.(256 Fs)
35	SLRCK	O	Audio DA converter LR clock output terminal.(Fs:48 kHz)
36	SCLK	O	Audio DA converter serial clock output terminal.(64 Fs)
37	SDAT1	O	Audio DA converter serial data output 1 terminal.
38	SDAT2	O	Audio DA converter serial data output 2 terminal.
39	MP2CLK	O	External DAB audio(MP2) clock output terminal.(2.048MHz)
40	MP2IN	I	External DAB audio(MP2) data input terminal.
41	MP2W	I	External DAB audio(MP2) window signal input terminal.
42	DAOUT	O	Digital audio interface output terminal. (IEC958)
43	VDD0	-	External digital VDD terminal.
44	VSS2	-	Digital VSS terminal.
45	RDIOUT	O	RDI data output terminal.
46	SDOWD	O	Serial data output window output terminal.
47	SDODT	O	Serial data output data output terminal.
48	SDOCK	O	Serial data output clock output terminal.(2.048 MHz)
49	DDODAT	O	Direct data output serial data output terminal.
50	DDOCLK	O	Direct data output serial clock output terminal.(2.048MHz)
51	DDOERF	O	Direct data output error flag output terminal. (H:error)

Pin No.	Symbol	I/O	Function
52	DDOWMSC	O	Direct data output MSC window output terminal.
53	LVDD1	-	Internal digital VDD terminal.
54	VSS3	-	Digital VSS terminal.
55~60	DDOMNO0~DDOMNO5	O	Direct data output MSC sub channel ID output terminal.
61	DDOWFIC	O	Direct data output FIC window output terminal.
62	VDD1	-	External digital VDD terminal.
63	VSS4	-	Digital VSS terminal.
64	NIRQ	O	Interllupt request output terminal.
65	MPUTX	O	MPU interface serial data output terminal.
66	MPURX	I	MPU interface serial data input terminal.
67	MPUCLK	I	MPU interface serial clock input terminal.
68	NMPUEN	I	MPU interface chip enable input terminal.
69	MPUMOD	I	MPU interface mode signal input terminal.
70	MDSPMO0	O	MDSP status monitor output 0 terminal.
71	MDSPMO1	O	MDSP status monitor output 1 terminal.
72	MVDD0	-	DRAM VDD terminal.
73	MVSS0	-	DRAM VSS terminal.
74	MDSPMO2	O	MDSP status monitor output 2 terminal.
75	MDSPMO3	O	MDSP status monitor output 3 terminal.
76~79	SDSPMO0~SDSPMO3	O	SDSP status monitor output terminal.
80	MVDD1	-	DRAM VDD terminal.
81	MVSS1	-	DRAM VSS terminal.
82	VSS5	-	Digital VSS terminal.
83	LON	-	Internal onchip power switch input terminal.
84	VDD2	-	External digital VDD terminal.
85	VDD3	-	External digital VDD terminal.
86	VOU0	-	Onchip power supply output terminal.
87	VOU1	-	Onchip power supply output terminal.
88	NRST	I	Master reset input terminal.
89	MCLKEN	I	Master clock enable input terminal.
90	MCLK24	I	Mster clock input terminal.(24.576 MHz)
91	MCLKO	O	Master clock oscillation output terminal.
92	PWMVCXO	O	PWM output terminal for mastewr clock VCXO.
93	LVDD2	-	Internal digital VDD terminal.
94	VSS6	-	Digital VSS terminal.
95~100	TEST0~TEST5	I	Test mode setting terminal.

3.4 BR93LC66F-X (IC702) : EEPROM

- Terminal layout

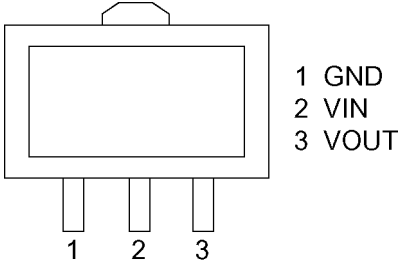


- Pin Functions

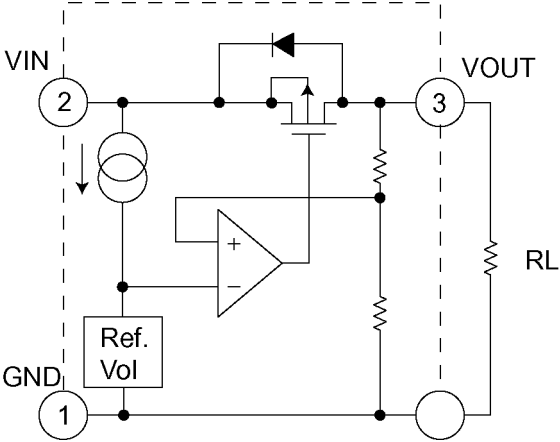
Symbol	I/O	Function
VCC	-	Power supply
GND	-	Connect to GND
CS	I	Chip select input
SK	I	Serial clock input
DI	I	Start bit, OP-code,address, serial data input
DO	O	Serial data output Internal state display output of READY/BUSY

3.5 S-81250SGUP-X (IC805) : Regulator

- Pin layout

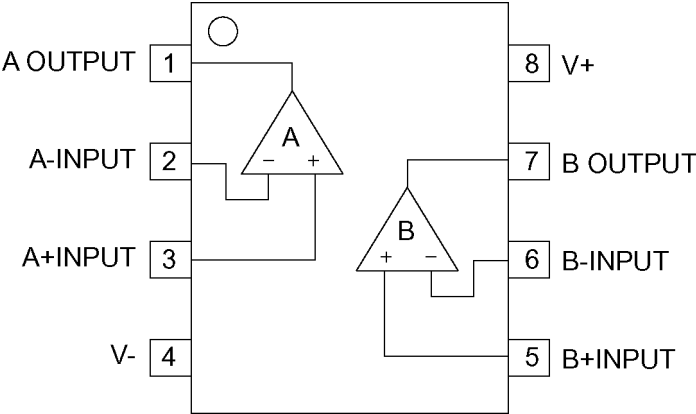


- Block diagram



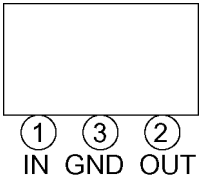
3.6 NJM4580V-X (IC901) : Ope amp.

- Pin layout & Block diagram



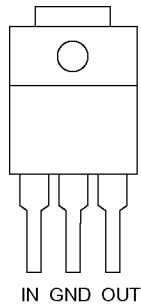
3.7 TA48033F-X (IC806) : Reglator

- Pin layout

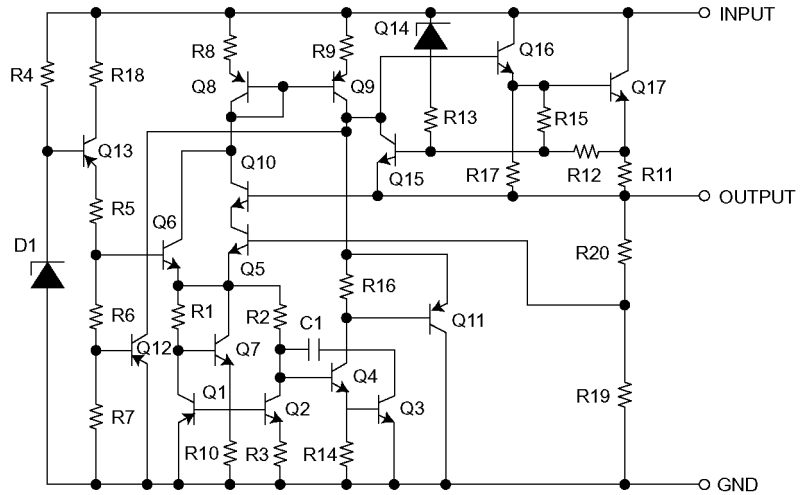


3.8 UPC7805AHF (IC803) : Regulator

- Pin layout

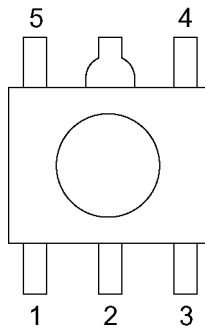


- Block diagram

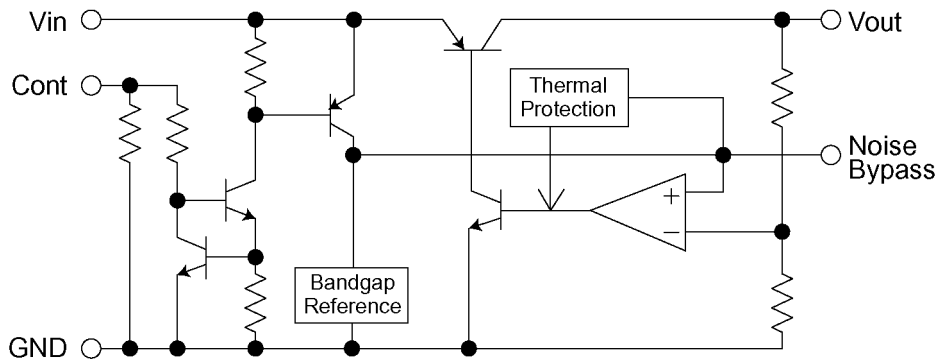


3.9 NJM2370U09-X (IC801) : Regulator

- Pin layout



- Block diagram

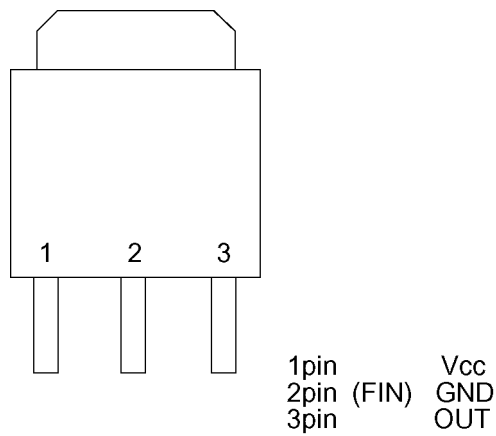


- Pin function

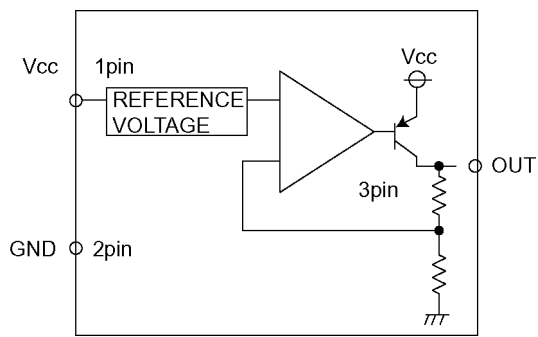
Pin No	Function
1	Control
2	GND
3	Noise bypass
4	Vout
5	Vin

3.10 BA033FP-X (IC804) : Regulator

- Pin layout

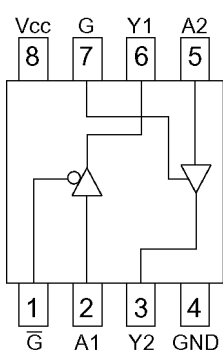


- Block Diagram



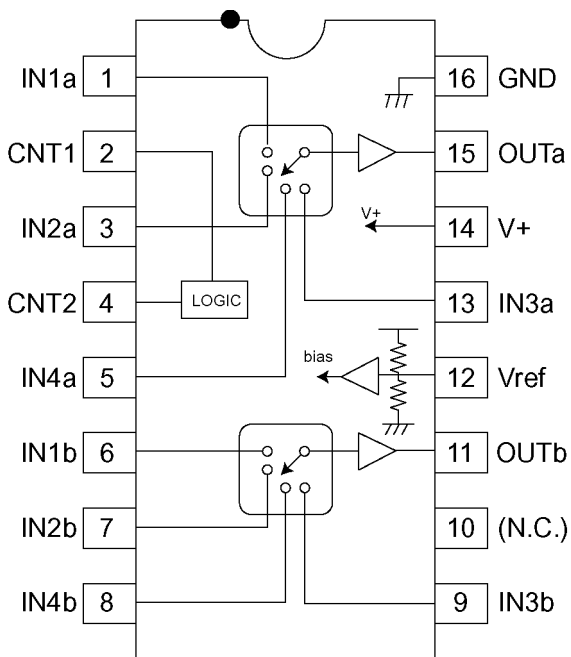
3.11 TC7WT241FU-X (IC771,IC772) : Buffer

- Pin layout & Block diagram



3.12 NJM2750M-X (IC911) : Audio selector

- Pin layout & Block diagram

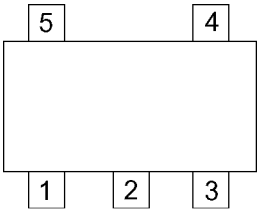


- Pin function

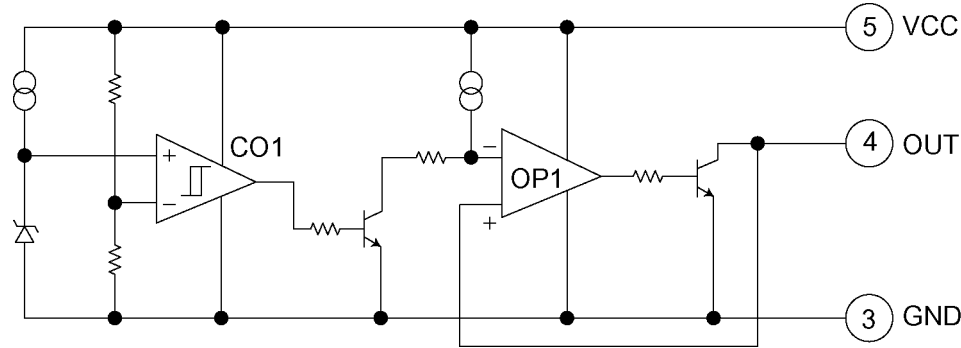
Pin No	Function	Pin No	Function
1	IN1a	9	IN3b
2	CNT1	10	(N.C.)
3	IN2a	11	OUTb
4	CNT2	12	Vref
5	IN4a	13	IN3a
6	IN1b	14	V+
7	IN2b	15	OUTa
8	IN4b	16	GND

3.13 PST9121N-X (IC851) : System reset

- Pin layout

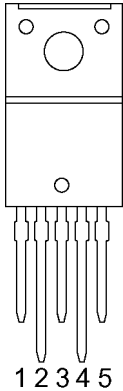


- Block diagram



3.14 SI-8050JF-F1 (IC802) : Regulator

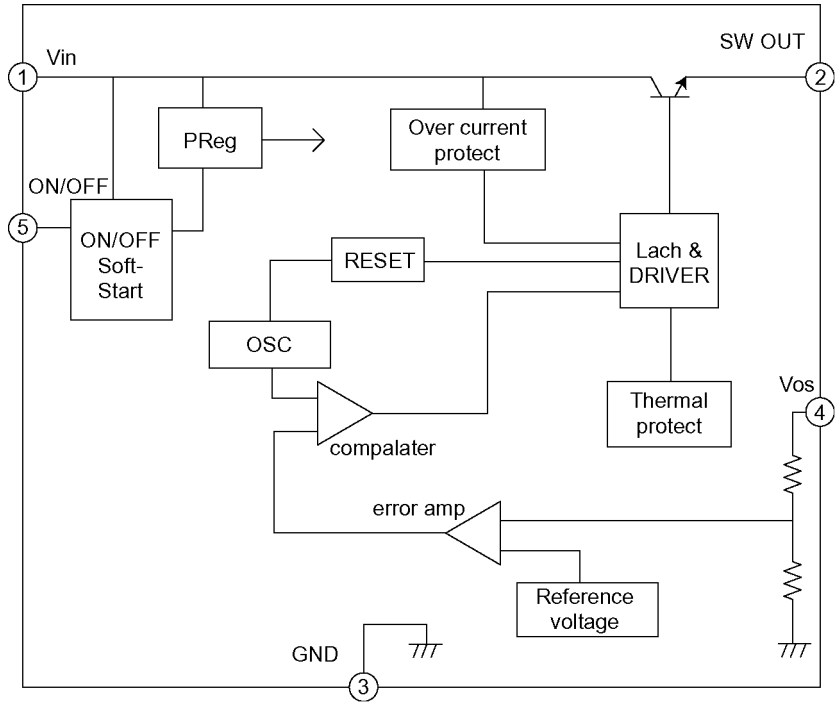
- Pin layout



- Pin function

Pin No.	Pin function
1	Vin
2	SW out
3	GND
4	Vos
5	ON/OFF

- Block diagram



PARTS LIST

[KT-DB1000]

* All printed circuit boards and its assemblies are not available as service parts.

Area suffix
E ----- Continental Europe

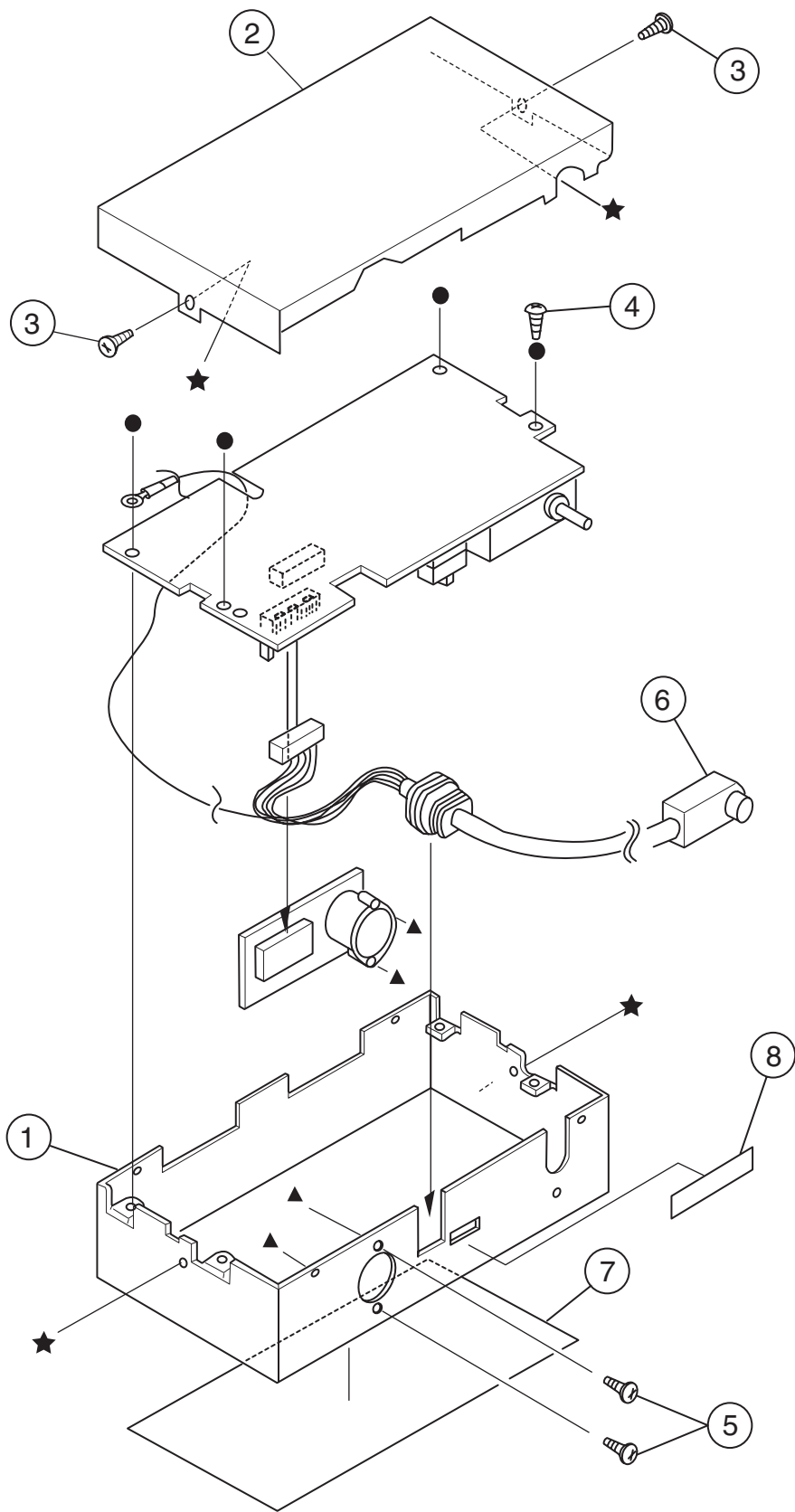
- Contents -

Exploded view of general assembly and parts list (Block No.M1)	3- 2
Electrical parts list (Block No.01)	3- 4
Packing materials and accessories parts list (Block No.M3,M5)	3- 6

Exploded view of general assembly and parts list


Block No.

M	1	M	M
---	---	---	---



■ Parts list (General assembly)

Block No. M1MM

	Item	Parts number	Parts name	Q'ty	Description	Area
	1	LV21339-002A	BOTTOM CASE	1		
	2	LV33795-002A	TOP CASE	1		
	3	QYSDST2606N	SCREW	2		
	4	QYSDST2606Z	SCREW	4		
	5	LV41152-001B	SPECIAL SCREW	2		
	6	QAM0421-001	CAR CABLE	1		
	7	LV33864-001A	NAME PLATE	1		
	8	LV43298-001A	LABEL	1		

■ Electrical parts list (Main board)

Block No. 01

△	Item	Parts number	Parts name	Remarks	Area
C 1	NCB31CK-104X	C CAPACITOR			
C 2	QEKJ1CM-107Z	E CAPACITOR	100MF 20% 16V		
C 3	NCB31CK-104X	C CAPACITOR			
C 4	QEKJ1CM-107Z	E CAPACITOR	100MF 20% 16V		
C 5	NCB31CK-104X	C CAPACITOR			
C 6	QEKJ1EM-475Z	E CAPACITOR	4.7MF 20% 25V		
C 7	NCB31CK-104X	C CAPACITOR			
C 8	NCB31CK-104X	C CAPACITOR			
C 9	NCB31CK-104X	C CAPACITOR			
C 10	NCB31CK-104X	C CAPACITOR			
C 11	NCB31CK-104X	C CAPACITOR			
C 12	QEKJ1CM-106Z	E CAPACITOR	10MF 20% 16V		
C 13	NCB31CK-104X	C CAPACITOR			
C 14	NCB31CK-104X	C CAPACITOR			
C 16	NCB31CK-104X	C CAPACITOR			
C 17	NCB31CK-104X	C CAPACITOR			
C 18	NCB31CK-104X	C CAPACITOR			
C 19	NCB31CK-104X	C CAPACITOR			
C 20	NDC31HJ-220X	C CAPACITOR			
C 21	NDC31HJ-300X	C CAPACITOR			
C 22	NBE41AM-226X	E CAPACITOR			
C 24	NBE41AM-226X	E CAPACITOR			
C 25	NBE41AM-226X	E CAPACITOR			
C 26	NBE41AM-226X	E CAPACITOR			
C 27	NCB31CK-104X	C CAPACITOR			
C 28	NBE41AM-226X	E CAPACITOR			
C 101	QEKJ1EM-475Z	E CAPACITOR	4.7MF 20% 25V		
C 102	QEKJ1EM-475Z	E CAPACITOR	4.7MF 20% 25V		
C 103	QEKJ1CM-106Z	E CAPACITOR	10MF 20% 16V		
C 104	NCS31HJ-471X	C CAPACITOR			
C 105	NCS31HJ-471X	C CAPACITOR			
C 106	NCB31HK-332X	C CAPACITOR			
C 107	QEKJ1EM-475Z	E CAPACITOR	4.7MF 20% 25V		
C 111	NBE21CM-475X	TA.E.CAPACITOR			
C 121	QEKJ1EM-475Z	E CAPACITOR	4.7MF 20% 25V		
C 201	QEKJ1EM-475Z	E CAPACITOR	4.7MF 20% 25V		
C 202	QEKJ1EM-475Z	E CAPACITOR	4.7MF 20% 25V		
C 203	QEKJ1CM-106Z	E CAPACITOR	10MF 20% 16V		
C 204	NCS31HJ-471X	C CAPACITOR			
C 205	NCS31HJ-471X	C CAPACITOR			
C 206	NCB31HK-332X	C CAPACITOR			
C 207	QEKJ1EM-475Z	E CAPACITOR	4.7MF 20% 25V		
C 211	NBE21CM-475X	TA.E.CAPACITOR			
C 221	QEKJ1EM-475Z	E CAPACITOR	4.7MF 20% 25V		
C 501	NCB31CK-104X	C CAPACITOR			
C 502	QEKJ1CM-106Z	E CAPACITOR	10MF 20% 16V		
C 701	NDC31HJ-150X	C CAPACITOR			
C 702	NDC31HJ-150X	C CAPACITOR			
C 703	NCB31CK-104X	C CAPACITOR			
C 704	NCB31CK-104X	C CAPACITOR			
C 705	NCB31CK-104X	C CAPACITOR			
C 706	NCB31CK-104X	C CAPACITOR			
C 707	NCB31CK-104X	C CAPACITOR			
C 708	NCB31CK-104X	C CAPACITOR			
C 709	NCB31CK-104X	C CAPACITOR			
C 710	NDC31HJ-220X	C CAPACITOR			
C 771	NCB31CK-104X	C CAPACITOR			
C 772	NCB31CK-104X	C CAPACITOR			
C 801	QEKJ1CM-106Z	E CAPACITOR	10MF 20% 16V		
C 802	QEKJ1CM-106Z	E CAPACITOR	10MF 20% 16V		
C 803	NCB31CK-104X	C CAPACITOR			
C 804	QEZ0595-477Z	E CAPACITOR	470MF		
C 805	NCB31CK-104X	C CAPACITOR			
C 806	QEZ0595-477Z	E CAPACITOR	470MF		
C 807	QEKJ1CM-106Z	E CAPACITOR	10MF 20% 16V		
C 808	NCB31CK-104X	C CAPACITOR			

△	Item	Parts number	Parts name	Remarks	Area
C 809	QEKJ1CM-106Z	E CAPACITOR	10MF 20% 16V		
C 810	QEKJ1CM-106Z	E CAPACITOR	10MF 20% 16V		
C 811	NCB31CK-104X	C CAPACITOR			
C 812	QEKJ1CM-106Z	E CAPACITOR	10MF 20% 16V		
C 813	QEKJ1CM-106Z	E CAPACITOR	10MF 20% 16V		
C 814	NCB31CK-104X	C CAPACITOR			
C 815	QEKJ1CM-106Z	E CAPACITOR	10MF 20% 16V		
C 816	QEKJ1CM-106Z	E CAPACITOR	10MF 20% 16V		
C 817	NCB31CK-104X	C CAPACITOR			
C 818	QEKJ1CM-106Z	E CAPACITOR	10MF 20% 16V		
C 819	QETN1CM-108Z	E CAPACITOR	1000MF 20% 16V		
C 851	QEKJ1CM-106Z	E CAPACITOR	10MF 20% 16V		
C 901	QEKJ1CM-106Z	E CAPACITOR	10MF 20% 16V		
C 911	QEKJ1CM-106Z	E CAPACITOR	10MF 20% 16V		
C 912	QEKJ1CM-106Z	E CAPACITOR	10MF 20% 16V		
C 913	NCB31CK-104X	C CAPACITOR			
CN911	QGB2019K1-10S	CONNECTOR			
CN912	QGB2019J1-10S	CONNECTOR			
CN921	QGA2001C1-08	8P PLUG ASSY			
D 1	UDZS3.6B-X	Z DIODE			
D 121	1SS355-X	DIODE			
D 221	1SS355-X	DIODE			
D 801	2A02	DIODE			
D 802	RB160L-40-X	SB DIODE			
D 803	DSK10C-T1	DIODE			
D 804	1SS355-X	DIODE			
D 851	1SS355-X	DIODE			
F 801	ICP-N70-T	IC PROTECTOR			
IC 1	MN66720UC	IC			
IC501	AK4382AVT-X	IC			
IC701	MN102H60KCB	IC(MCU)			
IC702	BR93LC66F-X	IC			
IC771	TC7WT241FU-X	IC			
IC772	TC7WT241FU-X	IC			
IC801	NJM2370U09-X	IC			
IC802	SI-8050JF-F1	IC			
IC803	UPC7805AHF	IC			
IC804	BA033FP-X	IC			
IC805	S-81250SGUP-X	IC			
IC806	TA48033F-X	IC			
IC851	PST9121N-X	IC			
IC901	NJM4580V-X	IC			
IC911	NJM2750M-X	IC			
J 911	QNZ0111-001	JACK			
L 801	QQL45AK-101	INDUCTOR			
Q 121	2SC2412K/R/-X	TRANSISTOR			
Q 122	UN2211-X	TRANSISTOR			
Q 123	UN2111-X	TRANSISTOR			
Q 221	2SC2412K/R/-X	TRANSISTOR			
Q 222	UN2211-X	TRANSISTOR			
Q 223	UN2111-X	TRANSISTOR			
Q 701	UN2211-X	TRANSISTOR			
Q 702	UN2111-X	TRANSISTOR			
Q 801	2SC2412K/R/-X	TRANSISTOR			
Q 802	UN2211-X	TRANSISTOR			
Q 803	2SA1037AK/R/-X	TRANSISTOR			
Q 804	UN2211-X	TRANSISTOR			
Q 891	2SB1322/RS-T	TRANSISTOR			
Q 892	UN2211-X	TRANSISTOR			
R 1	NRSA63J-221X	MG RESISTOR			
R 2	NRSA63J-473X	MG RESISTOR			
R 3	NRSA63J-473X	MG RESISTOR			
R 6	NRSA63J-470X	MG RESISTOR			
R 7	NRSA63J-221X	MG RESISTOR			
R 8	NRSA63J-221X	MG RESISTOR			
R 9	NRSA63J-221X	MG RESISTOR			

■ Electrical parts list (Main board)

Block No. 01

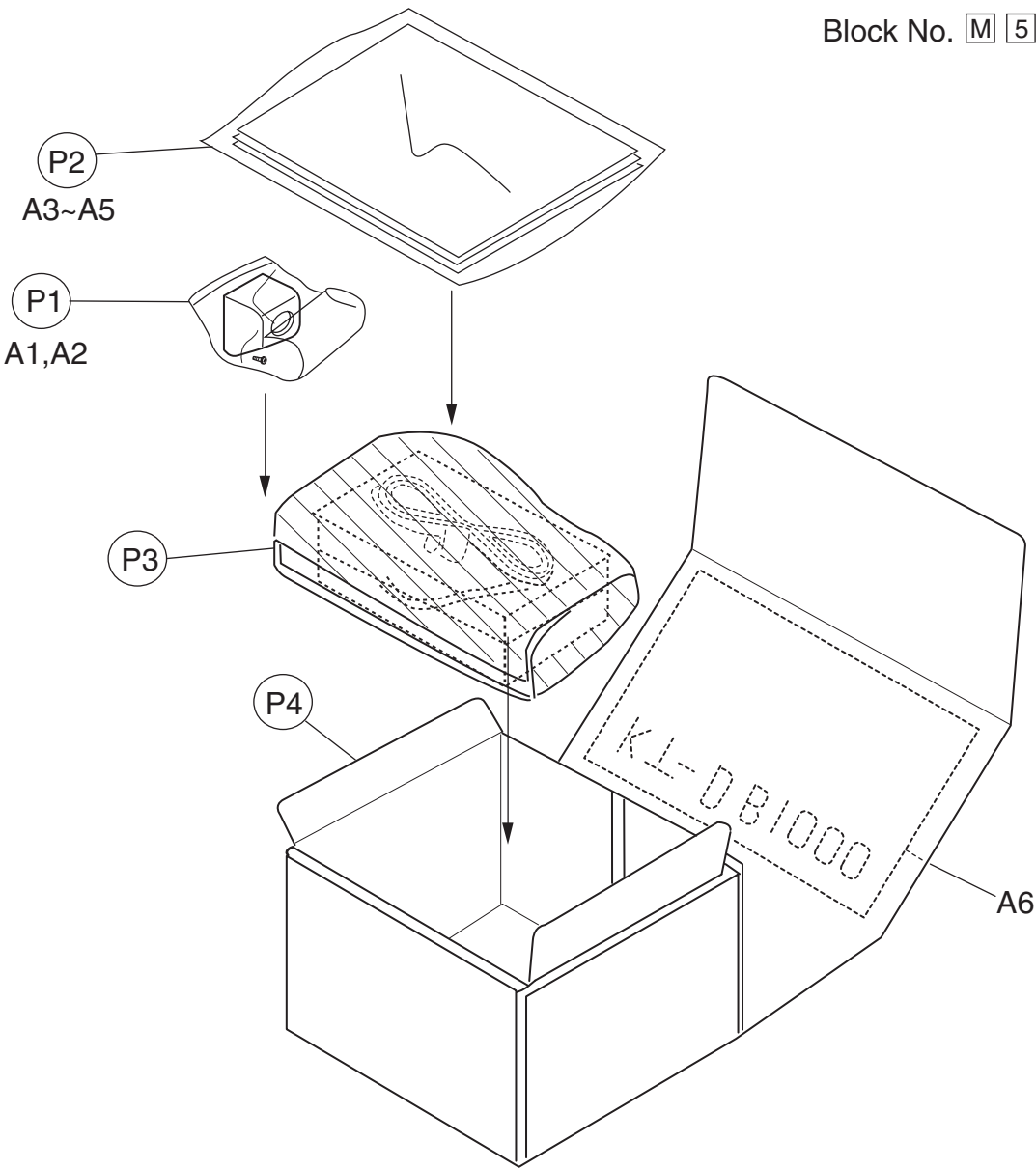
△	Item	Parts number	Parts name	Remarks	Area
	R 13	NRSA63J-221X	MG RESISTOR		
	R 14	NRSA63J-221X	MG RESISTOR		
	R 15	NRSA63J-221X	MG RESISTOR		
	R 17	NRSA63J-681X	MG RESISTOR		
	R 18	NRSA63J-105X	MG RESISTOR		
	R 19	NRSA63J-473X	MG RESISTOR		
	R 20	NRSA63J-153X	MG RESISTOR		
	R 101	NRSA63J-472X	MG RESISTOR		
	R 102	NRSA63J-472X	MG RESISTOR		
	R 103	NRSA63J-223X	MG RESISTOR		
	R 104	NRSA63J-472X	MG RESISTOR		
	R 105	NRSA63J-223X	MG RESISTOR		
	R 106	NRSA63J-221X	MG RESISTOR		
	R 107	NRSA63J-221X	MG RESISTOR		
	R 108	NRSA63J-332X	MG RESISTOR		
	R 121	NRSA63J-102X	MG RESISTOR		
	R 122	NRSA63J-101X	MG RESISTOR		
	R 123	NRSA63J-222X	MG RESISTOR		
	R 201	NRSA63J-472X	MG RESISTOR		
	R 202	NRSA63J-472X	MG RESISTOR		
	R 203	NRSA63J-223X	MG RESISTOR		
	R 204	NRSA63J-472X	MG RESISTOR		
	R 205	NRSA63J-223X	MG RESISTOR		
	R 206	NRSA63J-221X	MG RESISTOR		
	R 207	NRSA63J-221X	MG RESISTOR		
	R 208	NRSA63J-332X	MG RESISTOR		
	R 221	NRSA63J-102X	MG RESISTOR		
	R 222	NRSA63J-101X	MG RESISTOR		
	R 223	NRSA63J-222X	MG RESISTOR		
	R 501	NRSA63J-0R0X	MG RESISTOR		
	R 701	NRSA63J-221X	MG RESISTOR		
	R 702	NRSA63J-221X	MG RESISTOR		
	R 703	NRSA63J-681X	MG RESISTOR		
	R 704	NRSA63J-103X	MG RESISTOR		
	R 705	NRSA63J-221X	MG RESISTOR		
	R 706	NRSA63J-221X	MG RESISTOR		
	R 707	NRSA63J-221X	MG RESISTOR		
	R 708	NRSA63J-221X	MG RESISTOR		
	R 711	NRSA63J-472X	MG RESISTOR		
	R 712	NRSA63J-472X	MG RESISTOR		
	R 713	NRSA63J-472X	MG RESISTOR		
	R 714	NRSA63J-472X	MG RESISTOR		
	R 715	NRSA63J-221X	MG RESISTOR		
	R 716	NRSA63J-221X	MG RESISTOR		
	R 717	NRSA63J-221X	MG RESISTOR		
	R 718	NRSA63J-221X	MG RESISTOR		
	R 719	NRSA63J-221X	MG RESISTOR		
	R 720	NRSA63J-221X	MG RESISTOR		
	R 721	NRSA63J-221X	MG RESISTOR		
	R 722	NRSA63J-393X	MG RESISTOR		
	R 723	NRSA63J-393X	MG RESISTOR		
	R 724	NRSA63J-183X	MG RESISTOR		
	R 725	NRSA63J-183X	MG RESISTOR		
	R 726	NRSA63J-221X	MG RESISTOR		
	R 729	NRSA63J-472X	MG RESISTOR		
	R 730	NRSA63J-472X	MG RESISTOR		
	R 731	NRSA63J-103X	MG RESISTOR		
	R 732	NRSA63J-473X	MG RESISTOR		
	R 733	NRSA63J-473X	MG RESISTOR		
	R 734	NRSA63J-103X	MG RESISTOR		
	R 735	NRSA63J-221X	MG RESISTOR		
	R 736	NRSA63J-221X	MG RESISTOR		
	R 737	NRSA63J-221X	MG RESISTOR		
	R 771	NRSA63J-104X	MG RESISTOR		
	R 772	NRSA63J-103X	MG RESISTOR		
	R 773	NRSA63J-101X	MG RESISTOR		

△	Item	Parts number	Parts name	Remarks	Area
	R 774	NRSA63J-334X	MG RESISTOR		
	R 775	NRSA63J-392X	MG RESISTOR		
	R 776	NRSA63J-682X	MG RESISTOR		
	R 777	NRSA63J-103X	MG RESISTOR		
	R 778	NRSA63J-101X	MG RESISTOR		
	R 779	NRSA63J-334X	MG RESISTOR		
	R 780	NRSA63J-392X	MG RESISTOR		
	R 781	NRSA63J-682X	MG RESISTOR		
	R 782	NRSA63J-104X	MG RESISTOR		
	R 801	NRS181J-470X	MG RESISTOR		
	R 802	NRSA63J-103X	MG RESISTOR		
	R 803	NRSA63J-104X	MG RESISTOR		
	R 804	NRSA63J-122X	MG RESISTOR		
	R 805	NRSA63J-681X	MG RESISTOR		
	R 806	NRS181J-100X	MG RESISTOR		
	R 807	NRS181J-470X	MG RESISTOR		
	R 808	NRSA63J-822X	MG RESISTOR		
	R 809	NRSA63J-183X	MG RESISTOR		
	R 810	NRSA63J-154X	MG RESISTOR		
	R 851	NRSA63J-222X	MG RESISTOR		
	R 892	NRS181J-102X	MG RESISTOR		
	R 901	NRSA63J-220X	MG RESISTOR		
	R 911	NRSA63J-220X	MG RESISTOR		
	R 912	NRSA63J-103X	MG RESISTOR		
	R 913	NRS181J-470X	MG RESISTOR		
	S 1	QSW0991-001	SLIDE SWITCH		
	TH 1	NAD0031-001X	P THERMISTOR		
	TU 1	QAU0284-001	TUNER		
	X 1	QAX0733-001Z	CRYSTAL		
	X 701	QAX0732-001Z	CRYSTAL		

Packing materials and accessories parts list

Block No. M 3 M M

Block No. M 5 M M



Parts list (Packing)

Block No. M3MM

⚠	Item	Parts number	Parts name	Q'ty	Description	Area
	P 1	QPA00801205	POLY BAG	1		
	P 2	QPA01202505	POLY BAG	1		
	P 3	QPJ02104040	POLY SHEET	1		
	P 4	LV33904-001A	CARTON	1		

Parts list (Accessories)

Block No. M5MM

⚠	Item	Parts number	Parts name	Q'ty	Description	Area
	A 1	LV43158-001A	ANT BRACKET	1		
	A 2	QYSDST2606Z	SCREW	1		
	A 3	LVT0959-001A	INST BOOK	1	ENG,GER,FRE,DUT	
	A 4	LVT0959-002A	INST BOOK	1	SPA,ITA,SWE,RUS	
	A 5	BT-54013-4	W.CARD	1		

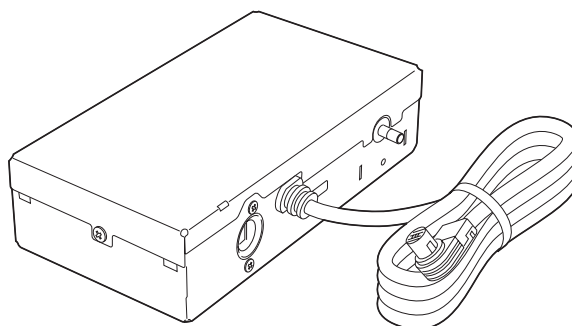
JVC

SCHEMATIC DIAGRAMS

DAB Tuner Unit

KT-DB1000

CD-ROM No.SML200209



DAB
Digital Audio Broadcasting

Area Suffix

E-----Continental Europe

Contents

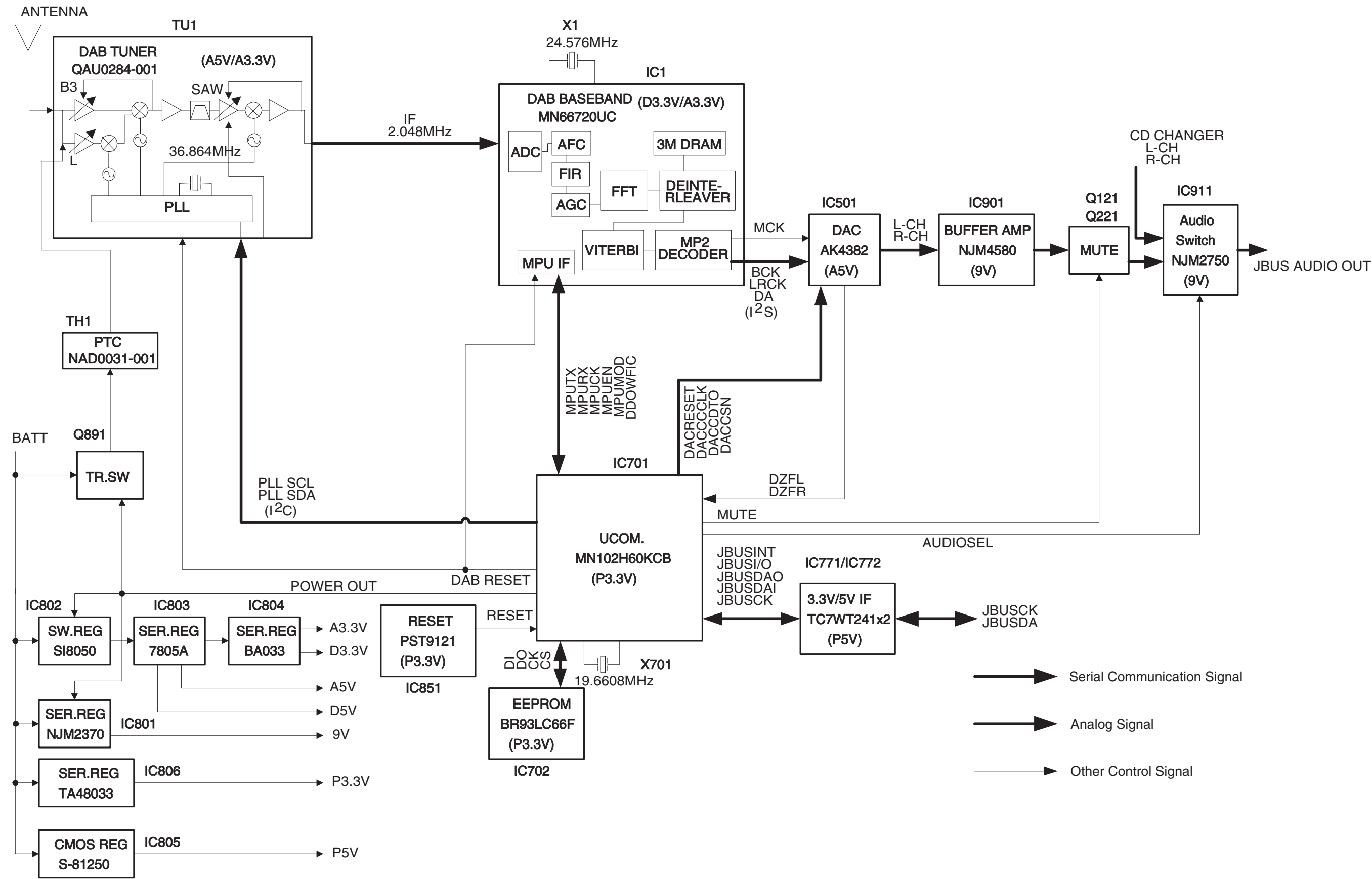
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Safety precaution

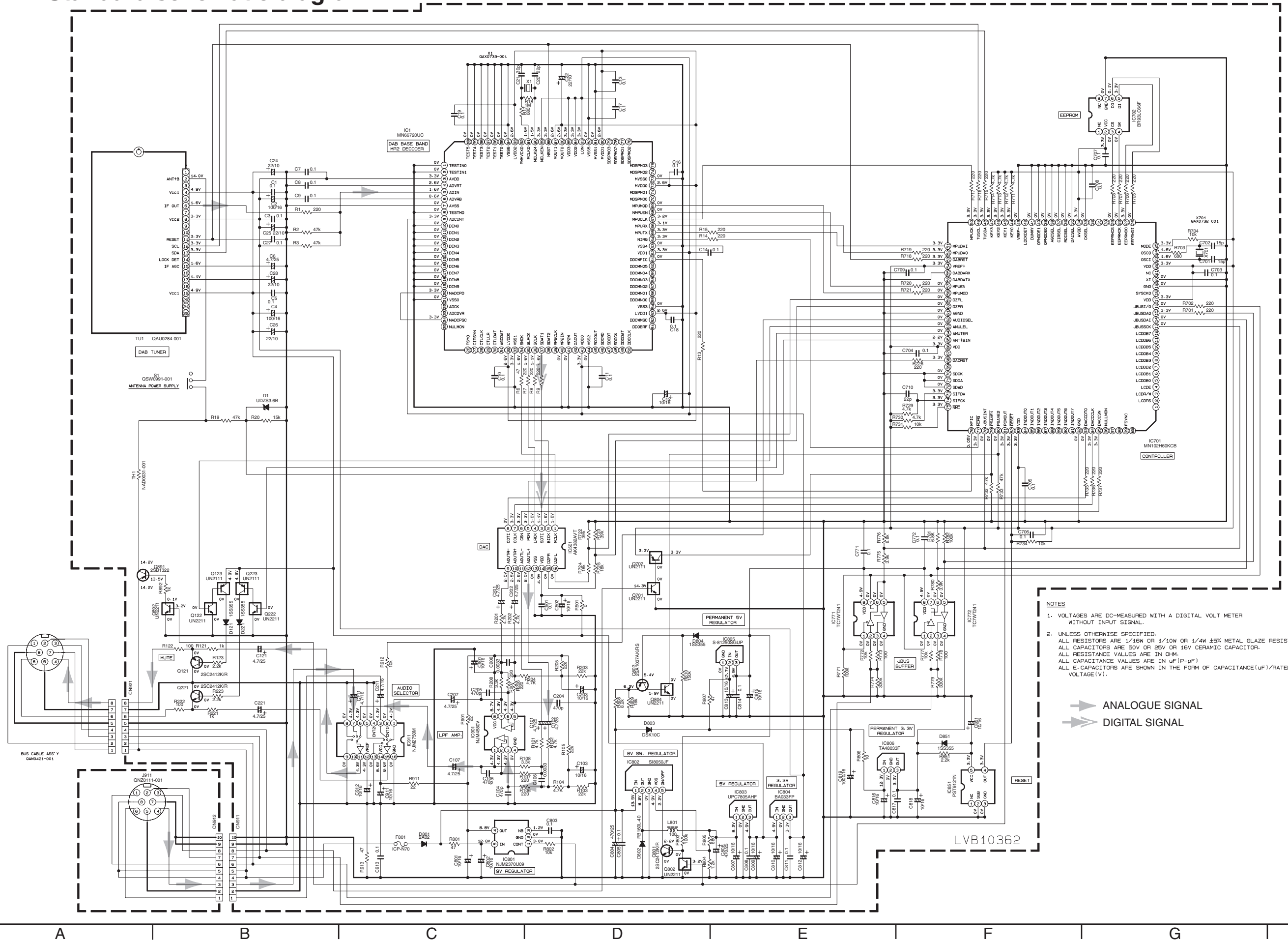


CAUTION Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of performing repair of this system.

Block diagram



Standard schematic diagram



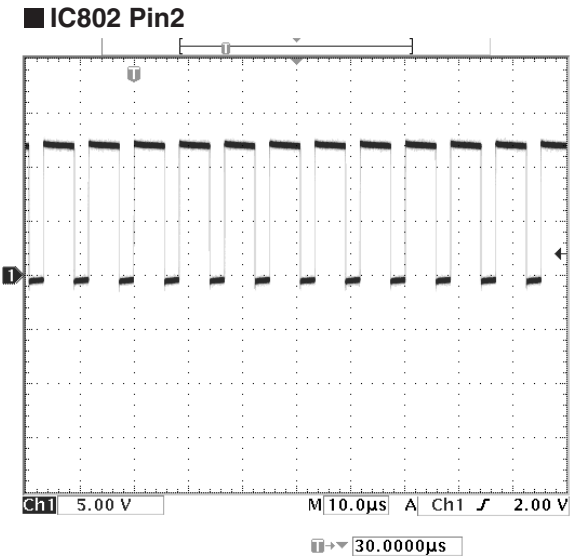
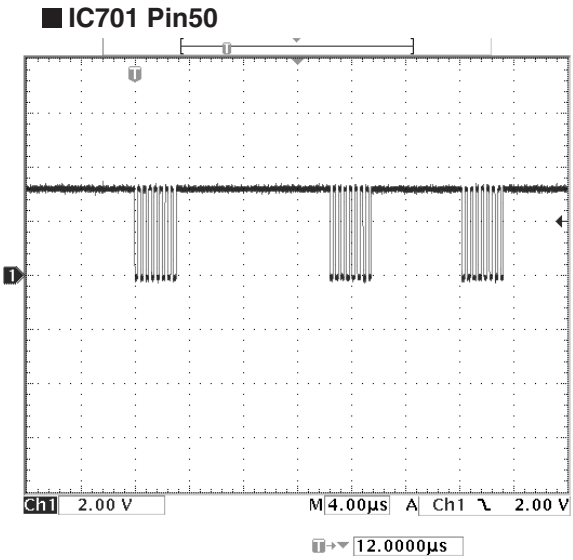
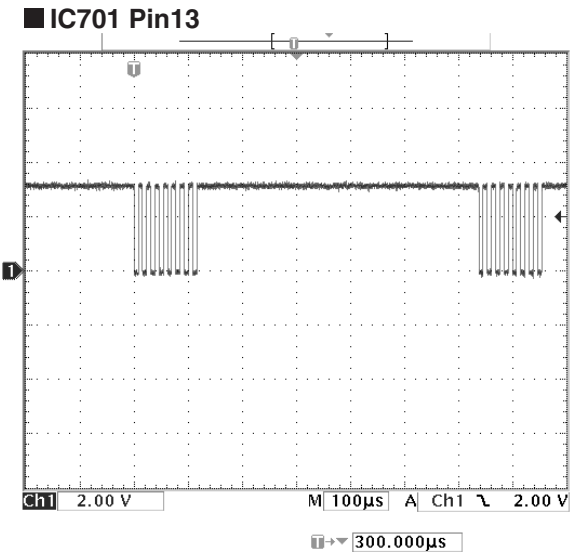
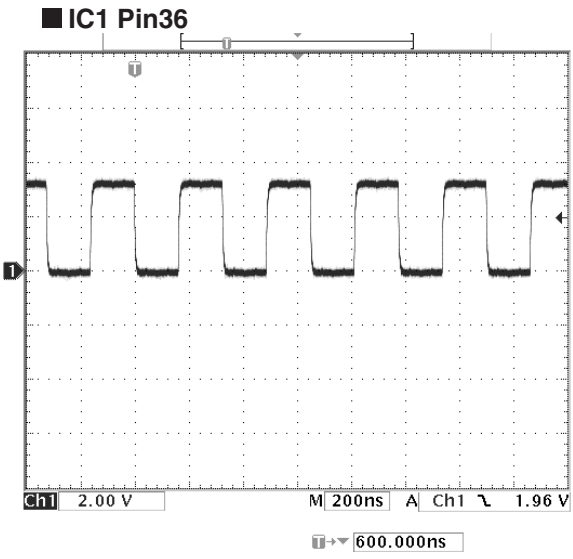
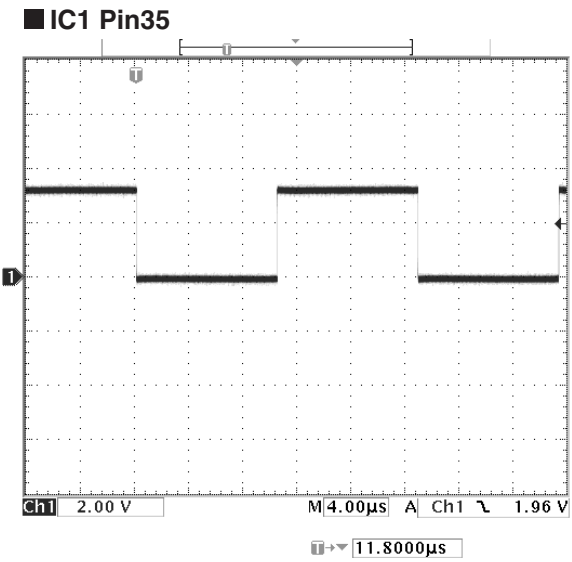
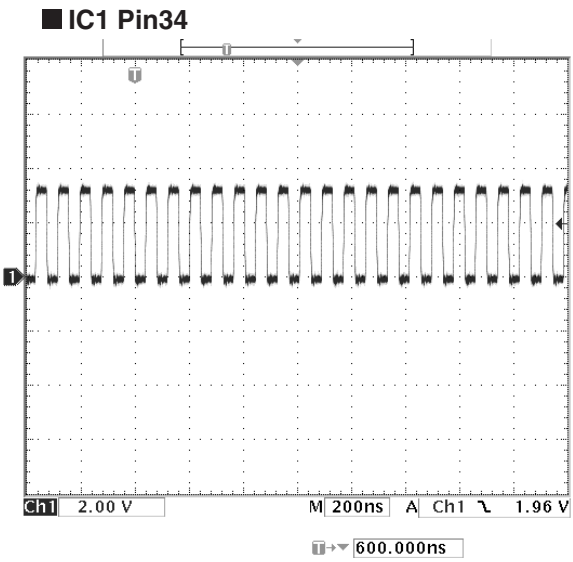
NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
2. UNLESS OTHERWISE SPECIFIED.
ALL RESISTORS ARE 1/16W OR 1/10W OR 1/4W $\pm 5\%$ METAL GLAZE RESISTOR.
ALL CAPACITORS ARE 50V OR 25V OR 16V CERAMIC CAPACITOR.
ALL RESISTANCE VALUES ARE IN OHM.
ALL CAPACITANCE VALUES ARE IN uF(μ pF)
ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(uF)/RATED VOLTAGE(V).

➡ ANALOGUE SIGNAL
➡➡ DIGITAL SIGNAL

LVB10362

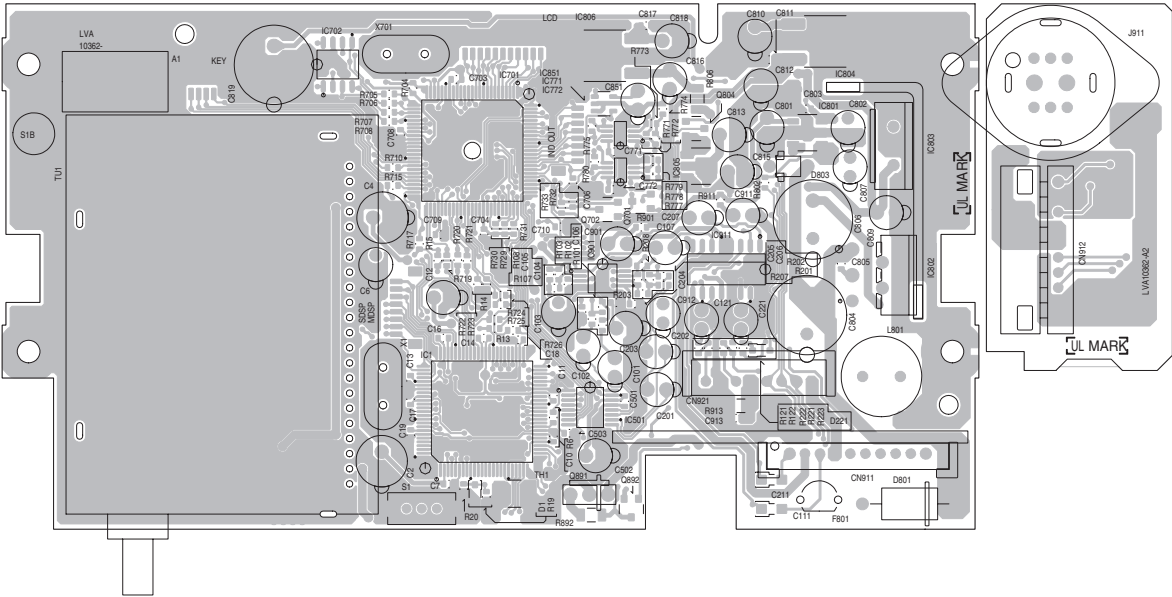
<Wave form>



Printed circuit boards

■ Main board (Forward side)

■ Jack board (Forward side)



■ Jack board (Reverse side)

■ Main board (Reverse side)

